



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#7 / Correction  
of Inventorship  
12/2/03  
tw

In re PATENT APPLICATION Of: )

JOHNSON et al. )

Application No. 09/855,903 )

Filing Date: May 15, 2001 )

Title: APPARATUS AND METHOD )  
FOR RESOURCE ARBITRATION )

Group Art Unit: 2635

Examiner: Unknown

**RECEIVED**

NOV 21 2003

Technology Center 2600

\* \* \* \* \*

November 14, 2003

**PETITION TO CORRECT INVENTORSHIP UNDER 37 CFR § 1.48(a)**

Hon. Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

It is respectfully requested that the inventorship of the above-captioned application be amended to add **Simon-William FARROW and Brian Alan WHITEHEAD**, who were omitted from the inventorship of the executed §1.63 declaration and assignment without any deceptive intention on their part. As a result of this correction, the inventive entity will consist of **Ian David JOHNSON, Marek Stephen PIEKARSKI, Simon William FARROW and Brian Alan WHITEHEAD**.

In accordance with the requirements of 37 CFR § 1.48(a), the following documents are attached hereto:

- (1) An affidavit from each of the inventors being added as an inventor averring that the error in inventorship occurred without deceptive intention on his part;
- (2) A supplemental declaration signed by all FOUR inventors as required by 37 CFR § 1.63; and

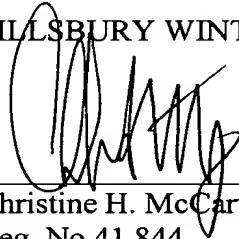
**Application of JOHNSON et al.**  
**Application No. 09/855,903**  
**Page 2**

(3) A written consent of the assignee.

As required by 37 CFR § 1.48(a)(4), this petition is accompanied by the requisite fee according to § 1.17(i). Should that fee be missing or inadequate, please charge the deficiency to our Deposit Account No. 03-3975, under Order No. 011765/0302034 and proceed to consider this Petition.

Respectfully submitted,

PILLSBURY WINTHROP LLP



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Christine H. McCarthy  
Reg. No 41,844  
Tel. No. (703) 905-2143  
Fax No. (703) 905-2500

P.O. Box 10500  
McLean, VA 22102  
(703) 905-2000



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in re PATENT APPLICATION Of:

JOHNSON et al.

Application No. 09/855,903

Filing Date: May 15, 2001

Title: APPARATUS AND METHOD  
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\* \* \* \* \*

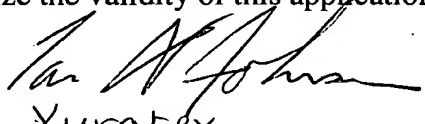
AFFIDAVIT OF MR. SIMON WILLIAM FARROW

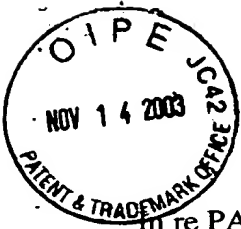
I, Simon William FARROW of Flat 7, Daisy Bank Road, Victoria Park, Manchester M14 5QJ, Great Britain, hereby certifies:

1. that I am an inventor of the above-identified patent application; and
2. that I was inadvertently and without deceptive intent on my part excluded from inventorship of this application when this application, the original declaration, and the original assignment were filed, and

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed true; and further that these statements were made with knowledge that willful false statement and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of the Title 18 of the United States Code and that such willful false statement may jeopardize the validity of this application or any patents issued from it.

Signed this 18 day of Sept, 2003, at Manchester  
England.

  
Xyratex  
SIMON WILLIAM FARROW



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION Of:

JOHNSON et al.

Application No. 09/855,903

Filing Date: May 15, 2001

Title: APPARATUS AND METHOD  
FOR RESOURCE ARBITRATION

Group Art Unit: 2635

Examiner: Unknown

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NOV 21 2003

Technology Center 2600

\* \* \* \* \*

**AFFIDAVIT OF MR. BRIAN ALAN WHITEHEAD**

I, Brian Alan WHITEHEAD of 7, Schofield Street, Radcliffe, Manchester M26 2UQ, Great Britain, hereby certifies:

1. that I am an inventor of the above-identified patent application; and
2. that I was inadvertently and without deceptive intent on my part excluded from inventorship of this application when this application, the original declaration, and the original assignment were filed, and

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed true; and further that these statements were made with knowledge that willful false statement and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of the Title 18 of the United States Code and that such willful false statement may jeopardize the validity of this application or any patents issued from it.

Signed this 16 day of September, 2003, at Manchester  
England

B. Whitehead  
BRIAN ALAN WHITEHEAD



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: PATENT APPLICATION OF:

JOHNSON et al.

Application No. 09/855,903

Filing Date: May 15, 2001

Title: APPARATUS AND METHOD  
FOR RESOURCE ARBITRATION

Group Art Unit: 2635

Examiner: Unknown

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Technology Center 2600

\* \* \* \* \*

**CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**

**AND ASSIGNEE CONSENT TO CHANGE IN INVENTORSHIP**

On behalf of Xyratex Technology Limited, the undersigned certifies that Xyratex Technology Limited is the assignee of the entire right, title and interest in the patent application identified above by virtue of a chain of title from the inventors of the patent and patent application identified above as shown below:

An Assignment from the inventors to Power X Limited was recorded in the U.S. Patent and Trademark Office on May 15, 2001, under Reel/Frame 011814/0860, a copy of which is attached.

An Assignment from Power X Limited to Xyratex Technology Limited, filed for recordation on May 30, 2003, is also attached hereto as it has not yet been recorded.

The undersigned has reviewed all the documents in the chain of title of the present application and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this certificate on behalf of the assignee. The undersigned consents to the addition of Simon William FARROW and Brian Alan WHITEHEAD as co-inventors for the patent application identified above.

The undersigned declares further that all statements made herein on personal knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are made punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code on that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

XYRATEX TECHNOLOGY LIMITED

Date: 23<sup>rd</sup> October

By: J Thompson  
Name:

CTO  
Title

**RECORDATION FORM COVER SHEET**  
**PATENT APPLICATIONS & PATENTS ONLY**

TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:  
 SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

## 1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. POWER X LIMITED

(acting by its Joint Administrators Dermot Power and  
 David Swaden of BDO Stoy Hayward)

3.

5.

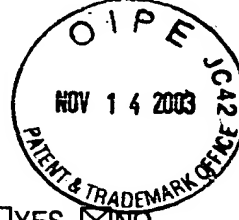
7.

2.

4.

6.

8.


 ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO
**RECEIVED**

NOV 21 2003

## 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: XYRATEX TECHNOLOGY LIMITED

Technology Center 2600

ADDRESS: Langstone Road, Havant, Hampshire PO9 1SA, United Kingdom

 ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

## 3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST  
☐ ORIGINAL ☒ FACSIMILE/PHOTOCOPY  
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION  
☐ SECURITY ☐ MERGER ☐ OTHER:

EXEC. DATE: July 25, 2002

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND  
 ASSIGNMENT DIFFER SEE ATTY!)

 4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1
09/855,903	302034	JOHNSON et al.			

 5. Name & Address of Party to Whom Correspondence  
 Concerning Document Should be Mailed:

**Pillsbury Winthrop LLP**  
**Intellectual Property Group**  
 P.O. Box 10500 McLean, VA 22102

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL = 1

7. AMOUNT OF FEE DUE: (Code 581)

ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

P 302034	MHL/MFG/P9311US
MATTER NO.	CLIENT REF.

8. PLEASE CHARGE TO OUR DEPOSIT ACCOUNT  
NUMBER: 03-3975

UNDER ORDER NO	11765	302034
dup. sheet not required	CLIENT NO.	MATTER NO.

9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Signature

 10. Total number of pages including this  
 cover sheet, attachments and document  
 (do not file dup. Cover sheet)

7

Attorney: Paul T. Bowen

Reg. No. 38009

Atty/Sec: PTB/RSP

TEL: (703) 905-2020

Date: May 30, 2003

FAX: (703) 905-2500

FILE WITH PTO RETURN RECEIPT (PAT-103A)

DATED 25<sup>th</sup> July 2002

- (1) POWER XLIMITED
- (2) XYRATEX TECHNOLOGY LIMITED
- (3) THE ADMINISTRATORS

---

ASSIGNMENT OF BUSINESS  
INTELLECTUAL PROPERTY

---

**EVERSHEDS**

Eversheds House  
70 Great Bridgewater Street  
Manchester M1 5ES  
Tel: 0161 831 8000  
Fax: 0161 832 5337



THIS ASSIGNMENT is made on

25<sup>th</sup> July

2002

## BETWEEN

- (1) POWER X LIMITED (registered no 02949813) a company registered in England whose registered office is at 5th Floor, Commercial Buildings, 11-15 Cross Street, Manchester M2 1BD ("the Assignor") acting by its joint Administrators Dermot Power and David Swaden of BDO Stoy Hayward, Commercial Buildings, 11-15 Cross Street, Manchester M2 1WE ("the Administrators");
- (2) XYRATEX TECHNOLOGY LIMITED (registered no 03134912) a company registered in England whose registered office is at Langstone Road, Havant, Hampshire, PO9 1SA] ("the Assignee"); and
- (3) The Administrators

## BACKGROUND

- (1) The Administrators were appointed to act as joint administrators of the Assignor on 29 January 2002 pursuant to an Order of the High Court of Justice, Chancery Division, Manchester District Registry (No.1039 of 2002).
- (2) The Assignor is the proprietor of the Business Intellectual Property.

## OPERATIVE PROVISIONS

### 1. DEFINITIONS

- 1.1 In this Assignment the following expressions shall have the following meanings unless inconsistent with the context:

"Business Intellectual Property"	all Intellectual Property Rights owned by the Assignor and used in the Business
"the Business"	the business of designing and marketing communications chip sets for the telecommunications industry as carried on by the Assignor
"Intellectual Property Rights"	patents (including, but not limited to, those patents and patent applications listed in <b>Schedule 1</b> ), trade marks, service marks, logos, get-up, trade names, rights in designs, copyright (including rights in computer software) and moral rights, database rights, semi-conductor topography rights, utility

models, know-how and other intellectual property rights owned by the Assignor and used in the Business in each case whether registered or unregistered and including applications for registration and all rights or forms of protection having equivalent or similar effect anywhere in the world

**“Special Provisions Order”**

the Value Added Tax (Special Provisions) Order 1995

**“VAT”**

Value Added Tax

**“VATA”**

the Value Added Tax Act 1994

- 1.2 The headings in this Assignment are for convenience only and shall not affect its construction or interpretation.
- 1.3 In this Assignment the masculine includes the feminine and the neuter, and the singular includes the plural and vice versa as the context shall admit or require.
- 1.4 Any reference in this Assignment to a clause is a reference to a clause of to this Assignment, save where the context otherwise admits.

## **2. ASSIGNMENT**

- 2.1 In consideration of the payment of \_\_\_\_\_ by the Assignee to the Assignor, the Assignor assigns to the Assignee such rights, title and interest as it may have (if any) in and to the Business Intellectual Property (except as stated in this Assignment) together with all statutory and common law rights and the right to apply for, prosecute and obtain protection throughout the world in respect of the Business Intellectual Property.

## **3. VAT**

## SCHEDULE 2

### The patents

Application Name	Application No.	Priority Date
Closed-Loop synchronisation Arrangement for Data Transmission System	PCT/GB98/00952	08-04-97
Data Switching Apparatus	GB97174712.2	19-08-97
Priority selection means for data transmission apparatus	PCT/GB98/02450	12-09-97
Scheduling and arbitration means for data transmission apparatus	PCT/GB99/00405	23-02-98
Data Switching Apparatus	PCT/GB99/03748	22-12-98
Distributed hierarchical scheduling and arbitration methodology	PCT/GB99/04007	22-12-98
Approximate state control mechanism	PCT/GB99/04231	22-12-98
Improved data-handling systems	US60/120,745	18-02-99
Data switching arbitration arrangements	PCT/GB01/01073	5-4-00
Data transmission driver device	PCT/GB01/01077	14-3-00
Switching system	PCT/GB01/02433	4-6-00
Apparatus and method for resource arbitration	PCT/GB01/02089	18-5-00

Method and arbitration unit for digital switch	PCT/GB01/01137	24-5-00
Method and apparatus for regulating process state control messages	PCT/GB01/04262	21-09-01
Method and device for operating a RAM memory	GB0031733.9	23-11-01
Data switch and method of controlling switch	GB/0102743.2	06-02-01
Method for controlling a data transmission pre-emphasis unit and a data transmission system employing the method	US/09/808,613	14-3-01


SIGNED by one of the Joint  
Administrators in the name of and on behalf of)  
**POWER X LIMITED**  
in the presence of:

Witness signature:

Name:

Address:

Occupation:

  
Darren Brookes  
11-15 Cross Street  
Manchester. M2 1BD  
Manager.



SIGNED by [NAME]  
duly authorised to sign for an on behalf of  
**XYRATEX TECHNOLOGY LIMITED**  
in the presence of:

Witness signature:

Name:

Address:

Occupation:


STEVE THOMPSON  
  
  
GRAHAM SALVIN  
36 VILLAGE LANE  
STUBBINGTON, FAREHAM  
HANTS.  
Accountant.

SIGNED by ~~NAME~~ DAVID SWADEN)  
for  
himself and his Joint Administrator  
without personal liability  
in the presence of:

Witness signature:

Name:

Address:

  
Darren Brookes  
11-15 Cross Street  
Manchester. M2 1BD.



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

AUGUST 06, 2001

PTAS



\*101726440A\*

BAKER BOTTS L.L.P.  
RONALD B. HILDRETH  
30 ROCKEFELLER PLAZA, 44 FL.  
NEW YORK, NEW YORK 10112

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/15/2001

REEL/FRAME: 011814/0860  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
JOHNSON, IAN DAVID

DOC DATE: 05/01/2001

01 AUG 10 PM 12: 24

ASSIGNOR:  
PIEKARSKI, MAREK STEPHEN

DOC DATE: 05/02/2001

ASSIGNEE:  
POWER X LIMITED  
STAFFORD COURT, 145 WASHWAY ROAD  
SALE, CHESHIRE, M33 7PE  
GREAT  
BRITAIN

SERIAL NUMBER: 09855903  
PATENT NUMBER:

FILING DATE: 05/15/2001  
ISSUE DATE:

011814/0860 PAGE 2

ALLYSON PURNELL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

05-23-2001

FILE NO. A34

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Of



To the Honorable Commissioner of Patents and Trademarks

101726440

documents or copy thereof.

1. Name of conveying party(ies): Ian David Johnson and Marek Stephen Piekarski

2. Name and address of receiving party(ies)

Name: Power X LimitedAddress: Stafford Court, 145 Washway road, Sale, Cheshire, M33 7PE Great BritainAdditional name(s) of conveying party(ies) attached?  
☐ Yes ☐ No

City: \_ State: \_ Zip: \_

Additional name(s) and address(es) attached?

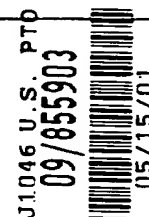
☐ Yes ☒ No

3. Nature of conveyance:

5-15-01

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date: May 1-2, 2001

09/855,903



4. Application number(s) or patent number(s)

If this document is being filed together with a new application, the execution date of the application is May 1-2, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?

☐ Yes☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Ronald B. HildrethBAKER BOTTS L.L.P.Address: 30 Rockefeller Plaza - 44 Fl.City: New York State: NY Zip: 10112

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41):

\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

02-4377

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature

*To the best of my knowledge and belief, the foregoing instrumentation is true and correct and any attached copy is a true copy of the original document.*

Ronald B. Hildreth, PTO#19.498

Name of Person Signing

Signature

May 15, 2001

Date

Total number of pages including cover sheet, attachments and document:

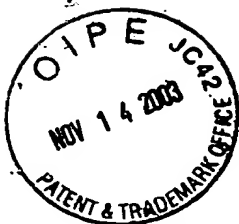
3

05/15/2001 DRYRNE 00000175 09235917

01 FC156.

40.00 DP





\$ 2635

PTO/SB/17 (10-03)  
Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 170.00

## Complete if Known

Application Number 09/855,903  
Filing Date May 15, 2001  
First Named Inventor JOHNSON ET AL.  
Examiner Name UNKNOWN  
Art Unit 2635  
Attorney Docket No. 011765-0302034

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NOV 21 2003

Technology Center 2600

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None  
☒ Deposit Account:  
Deposit Account Number 033975  
Deposit Account Name PILLSBURY WINTHROP LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) or any underpayment of fee(s)  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1) (\$)			0.00

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims 10 - 20\*\* = 0 X Fee from below = 0  
Independent Claims 2 - 3\*\* = -1 X Fee from below = 0  
Multiple Dependent

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	130.00
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	40.00
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 170.00

## SUBMITTED BY

Name (Print/Type) Christine H. McCarthy  
Signature

Registration No. 41844  
(Attorney/Agent)

(Complete if applicable)

Telephone (703) 905-2143

Date November 14, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.